



Preface

This preface explains the objectives and intended audience for this *Cisco CRS Carrier Routing System 4-Slot Line Card Chassis Site Planning Guide* (referred to in this document as the site planning guide). This preface also describes the document organization and the conventions used in the document.

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Objectives

This guide describes the basic facilities requirements, such as floor space, power requirements, environmental requirements, and so on, for the Cisco CRS 4-Slot Line Card Chassis (LCC). This guide is intended to help you in planning the site where the chassis will be installed. It should be used with Cisco Systems, Inc. site planning coordinators and site inspectors, well in advance of the delivery of the chassis.

Audience

This guide is intended for anyone who plans the facilities, including space, rack-mounting, power, cooling, cabling, delivery, and storage, for the delivery and installation of a Cisco CRS 4-Slot LCC.

Organization

This document contains the following chapters:

Title	Description
<i>Cisco CRS 4-Slot Line Card Chassis Overview</i>	Describes the Cisco CRS 4-Slot LCC and its components.
<i>Planning for Delivery</i>	Provides information about chassis space requirements and other site preparation details related to the chassis delivery.
<i>Planning for Installation</i>	Describes the power, cooling, and other requirements for the chassis.
<i>Preliminary Site Survey</i>	Contains a sample preliminary site survey in which you can enter information about the installation site and site-preparation process.
<i>Cisco CRS 4-Slot Line Card Chassis System Specifications</i>	Lists various chassis specifications.

Documentation Conventions

This document uses the following conventions:

Convention	Description
bold font	Commands and keywords and user-entered text appear in bold font.
<i>Italic</i> font	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic</i> font.
[]	Elements in square brackets are optional.
{x y z}	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
courier font	Terminal sessions and information the system displays appear in <i>courier</i> font.
	Indicates a variable for which you supply values, in context where italics cannot be used.
< >	Nonprinting characters such as passwords are in angle brackets.

Convention	Description
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

**Note**

Means reader take note. Notes contain helpful suggestions or references to material not covered in the manual.

**Tip**

Means the following information will help you solve a problem. The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.

**Caution**

Means reader be careful. In this situation, you might perform an action that could result in equipment damage or loss of data.

**Warning****IMPORTANT SAFETY INSTRUCTIONS**

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS

**Warning**

Statements using this symbol are provided for additional information and to comply with regulatory and customer requirements.

Related Documentation

This section refers you to other documentation that contains complete planning, installation, and configuration information.

The documentation listed below is available online.

- *Cisco CRS Carrier Routing System 4-Slot Line Card Chassis System Description*
- *Cisco CRS Carrier Routing System 4-Slot Line Card Chassis Installation Guide*
- *Cisco CRS Carrier Routing System 4-Slot Line Card Chassis Unpacking, Moving, and Securing Guide*
- *Cisco CRS Carrier Routing System Ethernet Physical Layer Interface Module (PLIM) Installation Note*

- *Cisco CRS Carrier Routing System Packet-over-SONET Physical Layer Interface Module (PLIM) Installation Note*
- *Cisco CRS Fiber-Optic Cleaning Kit Quick Start Guide*
- *Cisco CRS Carrier Routing System Hardware Documentation Guide*
- *Cisco CRS Carrier Routing System Regulatory Compliance and Safety Information*

Changes to This Document

This table lists the technical changes made to this document since it was first created.

Table 1: Changes to This Document

Date	Summary
August 2011	Minor editorial change to Figure 1-1 to correct a caveat.
April 2011	Added information about new performance route processor (PRP) cards (product IDs: CRS-8-PRP-6G, CRS-8-PRP-12G). Minor editorial changes were also made.
October 2010	Added information about the new MSC-140G and FP140 cards. Minor editorial changes were also made.
March 2008	Minor editorial changes.
March 2007	Added DC power information where appropriate, made technical corrections in various chapters, and updated the chassis system specifications in <i>Cisco CRS 4-Slot Line Card Chassis System Specifications</i> .
November 2006	Initial release of the document.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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